## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

## **Reclamation District No. 2091 Chase**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	11/17/2014 11/17/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		2		
LM End	0.00	Issue Type +	Ма	Location *		LS		
Category	Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End		
Item	Operations & Maintenance				0		0	
пеш	Manuals				0		0	
DWR ID	DWR_RD2	091_01_s _ 201	13_2					
	Action/Comments							
Inspector (		: The LMA ha	s copy c	of O & M ma	anua	l on file at		

No Photos

Rating \*\* Issue No. LM Start 0.00 Α Location \* LS 0.00 Issue Type + Ma LM End Earthen Levee GPS Latitude/Longitude Category Start End Emergency Supplies & Item Equipment DWR ID DWR RD2091 01 s 2013 4 Action/Comments

No Photos

Inspector Comments: The LMA maintains adequate flood fight supplies and equipment.

LM Start	0.00	Rating **	Α	Issue No.		5	
LM End	0.00	Issue Type +	Ma	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
Category				Start		End	
Item	Flood Preparedness & Training				0		0
item					0		0
DWR ID	DWR_RD2	091_01_s _ 201	13_5				
		Action/	Comme	nts			

Inspector Comments: The LMA maintains flood readiness.

No Photos

\* Location
LS: Land Side N/A: Not Applicable

WS : Water Side

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Page 1 of 6

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Unit No. 01 San Joaquin River	Right	7.46	11/17/2014 11/17/2014	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		12		
LM End	7.59	Issue Type +	Ma	Location *	LS			
Category Earthen Levee				GPS Latitude/Longitude				
Calegory			Start		End			
Item	Vegetation				0		0	
item					0		0	
DWR ID DWR_RD2091_01_f _ 2014_12								
	Action/Comments							

Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Landward slope has no visible maintenance issues. Photo 1 of 1 : FA\_2014\_RD2091\_318\_12\_20141120\_00018.jpg



Looking north at typical view of landward slope.

LM Start	0.00	Rating **	Α	Issue No.	13			
LM End	7.59	Issue Type +	Ma	Location *	WS			
Category	Earthen L	evee		GPS Latitude/Longitude				
Calegory				Start		End		
Item	Vegetation				0		0	
пеш					٥		0	
DWR ID DWR_RD2091_01_f _ 2014_13								
	Action/Comments							

Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Waterward slope has no visible maintenance issues.

# Photo 1 of 1 : FA\_2014\_RD2091\_318\_13\_20141120\_00017.jpg



Looking north at typical view of waterward slope.

LM Start	0.00	Rating **	Α	Issue No.	14			
LM End	7.59	Issue Type +	Ma	Location *	CR			
Category	evee	GPS Latitude/Longitude						
Calegory				Start		End		
Item	Vegetation				0		0	
item					0		0	
DWR ID DWR_RD2091_01_f _ 2014_14								
	Action/Comments							

Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Levee crown has no visible maintenance issues.



Looking north at typical view of levee crown.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

## **Reclamation District No. 2091 Chase**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	11/17/2014 11/17/2014	Richard Willoughby

LM Start	2.23	Rating **	A/W	Issue No.		54		
LM End	2.30	Issue Type +	Ма	Location *	LS			
Category Earthen Levee				GPS Latitude/Longitude				
Category				Start		End		
ltom	Item Animal Control				0		0	
item					0		0	
DWR ID DWR_RD2091_01_s _ 2012_54								
	Action/Comments							

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

LM Start	4.20	Rating **	A/W	Issue No.	1					
LM End	4.20	Issue Type +	Ма	Location *	LS		LS			
Category	Earthen L	evee		GPS Latitude/Longitude						
Calegory				Start		End				
Item	Animal Co	ontrol		37.50355	5 °	37.503555	0			
пеш				-121.08193	2 °	-121.081932	0			
DWR ID	DWR_RD2	091_01_s _ 201	2_1							
	Action/Comments									

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

No Photos

No Photos

Rating \*\* Issue No. LM Start 7.55 С 3 7.55 Issue Type + Ма Location \* LS LM End Earthen Levee GPS Latitude/Longitude Category Start End Slope Stability 37.479203 37.479203° Item -121.044695 -121.044695 DWR ID DWR\_RD2091\_01\_s \_ 2012\_3

Action/Comments

Repair slope instability.

Inspector Comments: Slide appears to be 100' + feet long on landside slope. Cracks are approx. 4-9" wide and 12-18" deep. Slide extends from the middle of the landside slope to landside toe. District indicated that the landowner repaired erosion/slip with no supervisor from LMA or State. No compaction results were provided. Site does appear to be stable at time of inspection, but should be monitored by the LMA.

No Photos

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	11/17/2014 11/17/2014	Richard Willoughby

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

## **Reclamation District No. 2091 Chase**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.31	11/17/2014 11/17/2014	Richard Willoughby

LM Start	0.03	Rating **	М	Issue No.	1		
LM End	0.03	Issue Type +	Ma	Location *	WS		
Category Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Trim / Thin Trees				23 °	37.482523	0
пеш			-121.0511	03 °	-121.051103	٥	
DWR ID DWR_RD2091_02_s _ 2012_1							
Action/Comments							

Thin trees to allow visibility of the ground and room to flood fight.

LM Start	0.03	Rating **	М	Issue No.	1 (cont)
LM End	0.03	Issue Type +	Ma	Location *	WS



Looking east at untrimmed trees on waterward slope. (Fall 2014)

Photo 2 of 2: FA\_2014\_RD2091\_319\_1\_20141103\_00001.jpg



Looking east at untrimmed tree on waterward slope. (Spring 2014)

Photo 1 of 1: FA\_2014\_RD2091\_319\_2\_20141120\_00012.jpg

LM Start	0.06	Rating **	М	Issue No.		2	
LM End	0.10	Issue Type +	Ma	Location *	LS		
Catagory Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Vegetation			37.4828	15 °	37.483306 °	
item		-121.0508	49 °	-121.050302 °			
DWR ID DWR_RD2091_02_f _ 2012_2							
Action/Comments							

Remove the wild growth other than native grasses from the levee

Inspector Comments: Control tumble weeds on landward slope.



Looking north at tumble weeds on landward slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2014

## **Reclamation District No. 2091 Chase**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.31	11/17/2014 11/17/2014	Richard Willoughby

LM Start	0.18	Rating **	М	Issue No.		3	
LM End	0.18	Issue Type +	Ma	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
				Start		End	
Trim / Thin Trees			37.4843	42 °	37.484342		
item	Item				48 °	-121.049848	
DWR ID DWR_RD2091_02_f _ 2012_3							
Action/Comments							

Trim trees to at least five feet above ground level.



Looking north at untrimmed tree on waterward slope.

LM Start	0.22	Rating **	М	Issue No.	14			
LM End	0.28	Issue Type +	Ma	Location *	WS			
Category Earthen Levee				GPS Latitude/Longitude				
Category				Start		End		
Item	Trim / Thin Trees				17 °	37.485418 °		
пеш	tem				24 °	-121.049933 °		
DWR ID DWR_RD2091_02_s _ 2014_14								
Action/Comments								

Trim trees to at least five feet above ground level.

No Photos

LM Start	0.29	Rating **	М	Issue No.	4		
LM End	0.29	Issue Type +	Ма	Location *	LS		
Cotagon Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Trim / Thin Trees				47 °	37.485447 °	
item			-121.0497	50°	-121.049750 °		
DWR ID DWR_RD2091_02_f _ 2012_4							
Action/Comments							

Trim trees to at least five feet above ground level.





Looking east at trimmed trees on landside slope and toe.

Location + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence LS : Land Side N/A: Not Applicable : Acceptable : Minimally Acceptable N : Not Inspected/Rated WS : Water Side C : Corrected A/W : Acceptable but Monitor & Maintain CR : Crown U : Unacceptable En: Enforcement